



National Weather Service

Storm Data and Unusual Weather Phenomena



July 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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LAKE ERIE

LEZ444	Mi Waters Of Lake Erie								
11 N Detroit River Light	21	1301EST			0	0			Marine Tstm Wind (G44)
LEZ444	Mi Waters Of Lake Erie								
10 N Detroit River Light	22	1139EST			0	0			Marine Tstm Wind (G43)
LEZ444	Mi Waters Of Lake Erie								
Stony Point	28	0125EST			0	0			Marine Tstm Wind (G43)

LAKE HURON

LHZ464	Lh Pt Sanilac To Pt Huron 5Nm Offshore To Intl Border								
14 W Lexington	22	1652EST			0	0			Marine Tstm Wind (G50)
LHZ443	Pt Sanilac To Pt Huron Mi								
14 W Lexington	22	1652EST			0	0			Marine Tstm Wind (G50)
LHZ422	Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi								
Sebewaing	28	0440EST			0	0			Marine Tstm Wind (G39)
LHZ421	Outer Saginaw Bay & Sw Of Alabaster To Pt Austin Mi								
6 SW Bay Port	28	0440EST			0	0			Marine Tstm Wind (G39)
LHZ442	Hbr Beach To Pt Sanilac Mi								
16 W Harbor Beach	28	0455EST			0	0			Marine Tstm Wind (G50)
LHZ463	Lh Hbr Beach To Pt Sanilac 5Nm Offshore To Intl Border								
16 W Harbor Beach	28	0455EST			0	0			Marine Tstm Wind (G50)
LHZ462	Lh Pt Austin To Hbr Beach Mi 5Nm Offshore To Intl Border								
16 W Harbor Beach	28	0455EST			0	0			Marine Tstm Wind (G50)
LHZ441	Pt Austin To Hbr Beach Mi								
16 W Harbor Beach	28	0455EST			0	0			Marine Tstm Wind (G50)
LHZ422	Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi								
8 SW Sebewaing	29	1400EST			0	0			Marine Tstm Wind (G48)
LHZ421	Outer Saginaw Bay & Sw Of Alabaster To Pt Austin Mi								
15 SW Bay Port to 22 SW Bay Port	29	1400EST			0	0			Marine Tstm Wind (G48)
LHZ462	Lh Pt Austin To Hbr Beach Mi 5Nm Offshore To Intl Border								
20 SW Port Austin	29	1408EST			0	0			Marine Tstm Wind (G50)
LHZ441	Pt Austin To Hbr Beach Mi								
20 SW Port Austin	29	1408EST			0	0			Marine Tstm Wind (G50)

LAKE ST CLAIR

LCZ460	Lake St Clair (U.S. Portion)								
1 N Metropolitan Beach	18	1400EST			0	0			Marine Tstm Wind (G37)
LCZ423	Detroit River								
1 SW Ambassador Bridg	18	1441EST			0	0			Marine Tstm Wind (G44)
LCZ460	Lake St Clair (U.S. Portion)								
5 SW Grosse Pointe	18	1441EST			0	0			Marine Tstm Wind (G44)
LCZ423	Detroit River								
11 W Wyandotte	21	1254EST			0	0			Marine Tstm Wind (G41)
LCZ460	Lake St Clair (U.S. Portion)								
4 N Grosse Pointe	21	1259EST			0	0			Marine Tstm Wind (G40)
LCZ423	Detroit River								
Wyandotte	22	1139EST			0	0			Marine Tstm Wind (G43)



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					Killed	Injured	Property Crops	

LAKE ST CLAIR

LCZ460	Lake St Clair (U.S. Portion)							
Grosse Pointe	22	1200EST			0	0		Marine Tstm Wind (G51)
LCZ422	St Clair River							
Algonac	22	1800EST			0	0		Marine Tstm Wind (G50)
LCZ460	Lake St Clair (U.S. Portion)							
8 SE New Baltimore	27	2045EST			0	0		Marine Tstm Wind (G41)
LCZ422	St Clair River							
Algonac	27	2045EST			0	0		Marine Tstm Wind (G41)
LCZ460	Lake St Clair (U.S. Portion)							
5 NW New Baltimore	28	1242EST			0	0		Marine Tstm Wind (G60)
LCZ422	St Clair River							
2 N Algonac	28	1327EST			0	0		Marine Tstm Wind (G52)
LCZ422	St Clair River							
City Of St. Clair	29	1627EST			0	0		Marine Tstm Wind (G43)

MICHIGAN, East

MIZ069>070-076	Oakland - Macomb - Wayne							
	01	1200EST			0	25		Excessive Heat
	04	1600EST						
Local television media reported that an estimated 25 people across metro Detroit were treated for heat stroke during the beginning of the month as afternoon high temperatures soared into the 90s, while heat indices broke 100 degrees.								
Macomb County								
Warren	18	1330EST			0	0		Thunderstorm Wind (G50)
The public reported a couple large trees blown down by thunderstorm winds								
Macomb County								
5 N Sterling Hgts	18	1345EST			0	0	25K	Lightning
A newspaper reported that lightning struck a home in Shelby Township and started a small fire.								
Macomb County								
3 E Mt Clemens	18	1400EST			0	1		Lightning
A newspaper reported that a 21-year old male was struck by lightning while working on runway lights at Selfridge Air National Guard Base.								
Macomb County								
2 NW New Baltimore	18	1400EST			0	1		Lightning
A newspaper reported that an 11-year old girl was struck by lightning while riding her bicycle.								
Wayne County								
Livonia	18	1440EST			0	0	5K	Thunderstorm Wind (G56)
Law enforcement reported that several large trees and power lines were blown down. Two large trees were also uprooted and damaged some of the fence around the Beth El Memorial Park Cemetery.								

A weak cold front moved through eastern Michigan during the afternoon of the 18th. This front triggered some scattered thunderstorms across the northern suburbs of Detroit. A couple of these storms produced some severe wind gusts. There was an estimated 11000 homes and businesses who lost power in Wayne and Macomb Counties due to the thunderstorms.

Wayne County								
Plymouth	21	1230EST			0	0		Thunderstorm Wind (G50)
Spotters reported that several large tree branches were blown down in thunderstorm winds.								



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MICHIGAN, East

Monroe County

Monroe	21	1330EST			0	1			Thunderstorm Wind (G50)
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A newspaper reported that a large tree blew over in thunderstorm winds and fell onto a man, trapping him in his back yard

A large cluster of thunderstorms formed over Upper Michigan during the overnight hours of July 20th, and then made a right turn over northern Lower Michigan during the morning hours of July 21st. This complex slowly weakened as it moved through southeast Michigan. This storm produced a great deal of lightning and heavy rainfall throughout eastern Michigan. Most of the wind gusts with the strongest storms were in the 40 to 50 MPH range, however, a few isolated severe wind reports were received. An estimated 20,000 homes and businesses were left without power in the metro Detroit Area following the storms.

Lenawee County

Adrian	22	0952EST			0	0			Hail(0.75)
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Lenawee County

Adrian	22	1000EST			0	0			Thunderstorm Wind (G50)
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The city of Adrian parks and recreation reported 6 to 12 inch diameter tree limbs blown down in thunderstorm winds.

Lenawee County

2.5 N Britton	22	1030EST			0	0	100K		Lightning
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A newspaper reported that lightning struck a home in Macon Township and set it on fire, causing considerable damage.

Monroe County

4 NW Dundee	22	1030EST			0	0			Thunderstorm Wind (G50)
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A spotter reported several 8 to 12 inch diameter tree limbs blown down

Lenawee County

1 N Adrian	22	1100EST			0	0	50K		Lightning
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A newspaper reported that lightning struck a home and set it on fire.

Macomb County

2 SW Mt Clemens	22	1200EST			0	0			Thunderstorm Wind (G56)^M
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Macomb County

St Clair Shrs	22	1200EST			0	0			Thunderstorm Wind (G50)
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Law enforcement reported 10 inch diameter tree limbs blown down.

Wayne County

Grosse Pt Woods	22	1200EST			0	0			Thunderstorm Wind (G54)^M
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Wayne County

Grosse Pt Woods	22	1200EST			0	0			Thunderstorm Wind (G50)
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Trained spotters reported 16 inch diameter tree limbs blown down.

Lenawee County

2 E Fairfield	22	1215EST			0	0			Thunderstorm Wind (G52)
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Law enforcement reported numerous large trees down.

Lapeer County

Lapeer	22	1535EST			0	3			Lightning
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A newspaper reported that three people were struck by lightning while walking toward a dumpster in the parking lot of an apartment complex. Witnesses claim that lightning ricocheted off the dumpster and hit the three people (2 men and one woman). They were all taken to the hospital with minor injuries.

Washtenaw County

Manchester	22	1550EST			0	0			Thunderstorm Wind (G50)
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Emergency management reported 9 inch diameter tree limbs blown down.



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<u>MICHIGAN, East</u>									
Washtenaw County									
Manchester	22	1600EST			0	0			Thunderstorm Wind (G50)
Emergency management reported 7 inch diameter tree limbs blown down.									
Saginaw County									
Chesaning	22	1615EST			0	0			Thunderstorm Wind (G50)
Saginaw County Central Dispatch reported several large trees blown down.									
Tuscola County									
Reese	22	1615EST			0	0			Hail(0.75)
Washtenaw County									
Saline	22	1630EST			0	0	127K		Lightning
A newspaper reported that a lightning strike traveled through the ductwork of four furnaces in the same neighborhood. This started a fire in the basement of each home. Three of the homes suffered only minor damage, but the fire got into the drywall of the fourth home and caused more substantial damage.									
Washtenaw County									
Saline	22	1630EST			0	0	30K		Thunderstorm Wind (G55)
A newspaper reported that 5 utility poles were blown down in thunderstorm winds along US-12 in Saline. Three of the poles came down onto moving cars. No injuries were reported.									
Livingston County									
Howell	22	1645EST			0	0			Thunderstorm Wind (G52)
Livingston County Central Dispatch reported several trees blown down onto power lines.									
Washtenaw County									
Ann Arbor	22	1649EST			0	0			Hail(1.00)
Wayne County									
5 W Westland	22	1650EST			0	0	50K		Thunderstorm Wind (G52)
The media reported damage to a garage and car from thunderstorm winds.									
Wayne County									
Garden City	22	1651EST			0	0	10K		Thunderstorm Wind (G52)
A newspaper reported that a large tree blew over onto a car in thunderstorm winds. The paper also reported numerous tree limbs and power lines down.									
Sanilac County									
Peck	22	1652EST			0	0			Thunderstorm Wind (G50)
Sanilac County Central Dispatch reported several large trees down and blocking a road									
Tuscola County									
Kingston	22	1652EST			0	0			Thunderstorm Wind (G52)
Trained spotters reported several trees blown down.									
Tuscola County									
1 N Kingston	22	1652EST			0	0			Thunderstorm Wind (G50)
Tuscola County Central Dispatch reported several large trees blown down.									
Livingston County									
Howell	22	1700EST			0	0			Thunderstorm Wind (G52)
The newspaper reported that thunderstorm winds uprooted an 80 foot willow tree									
Oakland County									
3 NE Farmington	22	1700EST			0	0			Thunderstorm Wind (G50)
Trained spotters reported 10 inch diameter tree limbs blown down at Thirteen Mile and Middlebelt Roads in Farmington Hills									
Oakland County									
4 E Holly	22	1727EST			0	0			Thunderstorm Wind (G50)



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<u>MICHIGAN, East</u>									
Trained spotters reported numerous large tree limbs blown down at Dixie Highway and Grange Hall Road.									
Oakland County									
Rose Center	22	1727EST			0	0			Thunderstorm Wind (G50)
Trained spotters reported several large tree limbs blown down.									
Lapeer County									
2 SW Inlay City	22	1730EST			0	0	25K		Lightning
A newspaper reported that a house was struck by lightning and caught fire. The damage was reportedly confined to one bedroom and its contents.									
Wayne County									
Livonia	22	1730EST			0	0			Thunderstorm Wind (G52)
Law enforcement reported several large trees blown down.									
Wayne County									
1 S Northville	22	1730EST			0	0			Thunderstorm Wind (G50)
The Northville Township fire department reported an 18 inch diameter tree blown down.									
Lapeer County									
Almont	22	1735EST			0	0			Thunderstorm Wind (G52)
Law enforcement reported several large tree branches blown down.									
St. Clair County									
Algonac	22	1800EST			0	0			Thunderstorm Wind (G50)
A newspaper reported that several trees and power lines were blown down in thunderstorm winds									
St. Clair County									
Marine City	22	1800EST			0	0			Thunderstorm Wind (G50)
A newspaper reported that several trees and power lines were blown down in thunderstorm winds									
Washtenaw County									
Ypsilanti	22	1815EST			0	0			Thunderstorm Wind (G50)
The general public reported several large trees blown down									
Wayne County									
Westland	22	1850EST			0	0	5K		Thunderstorm Wind (G50)
Trained spotters reported power lines and utility poles blown down at Wayne and Cherry Hill roads. A newspaper also reported that a large tree had fallen onto a house near Cherry Hill and Carlson roads. Only minor damage was reported.									
Thunderstorms developed in a very warm and humid airmass ahead of an approaching cold front. Thunderstorms developed during the late morning hours around Adrian and then quickly moved northeast and affected the metro Detroit region. These storms dissipated early in the afternoon. However storms redeveloped across western and central Lower Michigan by mid afternoon. These storms then moved into eastern Michigan. The storms continued through the afternoon and much of the evening hours. Severe wind gusts were associated with many of these storms. The most widespread thunderstorm activity occurred across Washtenaw and Wayne counties where thunderstorms repeatedly move through during much of the day. Thousands of power outages were reported throughout eastern Michigan.									
Huron County									
3 W Bad Axe	28	0455EST			0	0			Thunderstorm Wind (G50)
A spotter reported several large tree limbs blown down.									
Huron County									
Bad Axe	28	0615EST			0	0	300K		Lightning



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Killed	Injured										

MICHIGAN, East

A newspaper reported that lightning struck a meat packing plant and started a fire, causing serious damage.

Midland County

Midland	28	1030EST			0	0					Lightning
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A newspaper reported that lightning struck a telephone line, knocking power out to thousands of Midland County residents

Lapeer County

Dryden	28	1220EST			0	0					Thunderstorm Wind (G52)
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Law enforcement reported several large trees blown down.

Macomb County

3 N Romeo	28	1242EST			0	0					Hail(1.75)
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Macomb County

6 SW Romeo	28	1242EST			0	0					Thunderstorm Wind (G60)
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Spotters reported several large trees and tree limbs down.

Macomb County

Armada	28	1255EST			0	0	50K				Lightning
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A newspaper reported that a home in Armada Township was struck by lightning and caught on fire

Macomb County

2 W New Haven Macomb	28	1302EST 1305EST	0.1	10	0	0					Tornado (F0)
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Trained spotters reported a brief tornado touchdown 2 miles west of New Haven. A National Weather Service storm survey confirmed tree damage consistent with an F0 tornado.

St. Clair County

2 N Algonac	28	1327EST			0	0					Thunderstorm Wind (G52)
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Law enforcement reported several large trees down near Algonac State Park.

St. Clair County

Algonac	28	1327EST			0	0					Thunderstorm Wind (G50)
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Algonac city police reported several large tree limbs blown down.

St. Clair County

Port Huron	28	1329EST			0	0					Thunderstorm Wind (G50)
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A newspaper reported that a large tree was blown over in thunderstorms winds and landed next to an apartment building, tearing the electrical service box from the building.

Scattered thunderstorms occurred very early in the morning on the 28th around Saginaw Bay. These storms laid out an outflow boundary. This boundary focused the development of additional thunderstorms later in the morning. High temperatures and humidity provided enough instability for some of these storms to become severe. The strongest storms developed near the border of Oakland and Lapeer counties. These storms evolved into a supercell as they moved into Macomb county. This supercell caused considerable wind damage and even spawned a short-lived tornado

Huron County

Sebewaing	29	1408EST			0	0					Thunderstorm Wind (G50)
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A spotter reported several 4 inch diameter tree limbs blown down

Huron County

Pigeon	29	1436EST			0	0					Thunderstorm Wind (G50)
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A spotter reported several 4 inch diameter tree limbs blown down

A cold front moved through eastern Lower Michigan during the late afternoon and early evening hours. Showers and thunderstorms developed ahead of this front. An isolated storm in Huron county caused some wind damage. The other thunderstorms across the region remained below severe levels.